



**THOMAS L. GARTHWAITE, M.D.**  
Director and Chief Medical Officer

**FRED LEAF**  
Chief Operating Officer

COUNTY OF LOS ANGELES  
DEPARTMENT OF HEALTH SERVICES  
313 N. Figueroa, Los Angeles, CA 90012  
(213) 240-8101

BOARD OF SUPERVISORS

**Gloria Molina**  
First District

**Yvonne Brathwaite Burke**  
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**Zev Yaroslavsky**  
Third District

**Don Knabe**  
Fourth District

**Michael D. Antonovich**  
Fifth District

September 29, 2005

The Honorable Board of Supervisors  
County of Los Angeles  
383 Kenneth Hahn Hall of Administration  
500 West Temple Street  
Los Angeles, CA 90012

Dear Supervisors:

**LAC+USC MEDICAL CENTER REPLACEMENT FACILITY  
AUTHORIZATION OF WIRELESS SYSTEM INFRASTRUCTURE AND  
ADDITIONS TO THE MAIN COMPUTER ROOM  
CHANGE ORDERS  
SPEC. 6550; C.P. No. 70787  
(First District) (4 Votes)**

JOINT RECOMMENDATIONS WITH THE CHIEF ADMINISTRATIVE OFFICER AND THE  
DIRECTOR OF PUBLIC WORKS THAT YOUR BOARD:

1. Find that the recommended changes to the project are categorically exempt under California Environmental Quality Act (CEQA) pursuant to State CEQA Guidelines, Section 15301(a) and Class 1, Subsection (d) of the County of Los Angeles Revised Environmental Document Reporting Procedures and Guidelines, adopted by your Board on November 17, 1987.
2. Approve the installation of wireless system infrastructure to provide for a wireless data communications system at an estimated cost of \$713,000. The amount includes \$613,000 in estimated construction costs, \$75,000 in architectural design fees, and \$25,000 in estimated miscellaneous permitting fees funded by the Fiscal Year 2005-06 LAC+USC Medical Center Operating Budget.
3. Approve changes to the main computer room, which will provide additional fire protection, additional electrical back-up, and changes to create a more flexible computer room at an additional cost of \$695,000. The amount includes \$614,000 in estimated additional construction costs, \$56,000 in estimated architectural design fees, and \$25,000 in estimated additional miscellaneous permitting, funded by the Fiscal Year 2005-06 LAC+USC Medical Center Operating Budget.

4. Approve and authorize the Director of Public Works to execute Change Orders to Contract PW12641 with McCarthy/Clark/Hunt (MCH), a joint venture, or to pursue the work through an alternate contracting strategy to install the wireless system infrastructure and upgrade the main computer room at an estimated combined not-to-exceed amount of \$1,227,000.
5. Approve the enclosed appropriation adjustment in the amount of \$1,408,000 to reallocate funding from the Fiscal Year 2005-06 LAC+USC Medical Center Operating Budget to the Fiscal Year 2005-06 LAC+USC Medical Center Replacement Facility Capital Project for the cost of the recommended changes.
6. Approve the revised project budget of \$821,966,000.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTIONS:

The purpose of the recommended actions is to implement the Department of Health Services (DHS or Department) requested changes for the installation of wireless system infrastructure and upgrades to the main computer room at the LAC+USC Replacement Facility and to provide the financing for the changes.

Wireless System Infrastructure

The purpose of wireless system infrastructure is to improve clinician workflow by providing immediate access to clinical information anywhere in or near the hospital. It provides person-to-system or person-to-person communication and allows for information and decisions to be made more quickly and effectively. It reduces overhead paging, missed calls and the need to physically search for information or clinicians.

To provide the infrastructure for wireless communication, the facility requires approximately 290 locations of data and power outlets throughout the buildings, including elevator cabs, stairways, the Marengo Street pedestrian bridge, and exterior patio areas. This will enable wireless communication capability for clinicians throughout the entire Replacement Facility and surrounding areas.

Computer Room

The purpose of these improvements is to provide upgrades in the fire protection system and provide for additional power redundancy in case of failure. This request includes a gas-based fire suppression system, a raised ceiling, and electrical back-up and upgrades. In the event of fire, the gas-based fire suppression system will be activated prior to the sprinkler system extinguishing the fire. If the gas fire suppression system is successful, the sprinkler system will not be activated, thereby preventing water from entering the computer room. This reduces the potential for permanent damage to computers and equipment. The raised ceiling will provide physical space to accommodate the computer cable trays and racks. Additionally, raising the ceiling will provide the needed vertical space to accommodate a raised access flooring system at some point in the future. The electrical equipment includes the installation of power

distribution and emergency power-off switches. It would also provide an additional uninterruptible power supply for added security and future anticipated computer loads. The redundant power supply is recommended by DHS to meet objectives of high-power reliability and availability.

#### Construction Change Orders

Upgrades to the wireless system infrastructure and computer room require change orders to the construction contract. The preliminary estimate for these construction changes is not expected to exceed \$1,227,000. This estimate is based upon a conceptual design and following your Board's approval, Public Works will issue proceed orders for this work once the design has been completed and prior to final cost negotiations to avoid delay impact. If it is found, after negotiations with MCH, that the final value of the change order exceeds the preliminary cost that has currently been estimated, we will return to your Board for further approval.

#### Implementation of Strategic Plan Goals

The actions meet the County Strategic Plan Goal of Service Excellence by promoting best practice in patient care and the Goal of Fiscal Responsibility by investing in the public infrastructure.

#### Consistency with DHS System Redesign

These actions meet the Department's strategic goals by improving the health care provided by DHS and enhancing the health of the residents of the County of Los Angeles.

#### FISCAL IMPACT/FINANCING:

On December 3, 2002, your Board approved a total project budget of \$820,558,000. The total estimated cost for these changes, in the amount of \$1,408,000, is funded from the Fiscal Year 2005-06 LAC+USC Medical Center Operating Budget for the costs associated with this change. As a result of these changes, the revised total cost of the project is \$821,966,000. The Project Schedule and Budget Summary are included as Enclosure A.

The project budget is funded from the combination of a Federal Emergency Management Agency (FEMA) grant and short- and long-term borrowing.

#### FACTS AND PROVISIONS/LEGAL REQUIREMENTS:

The proposed change orders require your Board's approval because they are expected to exceed the \$150,000 limit delegated to the Director of Public Works pursuant to Public Contract Code Section 20142.

Supplemental Agreements for the additional architectural design services will be executed by Public Works under delegated authority.

#### ENVIRONMENTAL DOCUMENTATION:

On June 6, 2000, your Board certified the Environmental Impact Report/Environmental Assessment (EIR/EA) for the project. On June 7, 2000, FEMA issued a Findings of No Significant Impact for the project and approved the EIR/EA. The recommended changes to the project do not result in any environmental impacts that are not considered in the approved EIR/EA. The recommended changes to the project are categorically exempt under CEQA pursuant to the State CEQA Guidelines, Section 15301(a) and Class 1(d) of the County of Los Angeles Revised Environmental Document Reporting Procedures and Guidelines, adopted by your Board on November 17, 1987.

#### CONTRACTING PROCESS:

##### Design Services

On October 1, 1998, your Board awarded Agreement PW11875 for \$45,025,000 to HOK/LBL to provide architectural design services, construction administration, and medical equipment planning for the LAC+USC Medical Center Replacement Facility.

The proposed changes are required to accommodate the requested computer room and wireless infrastructure modifications.

HOK/LBL has reviewed the scope of work and submitted proposals for these supplemental services for a fee not to exceed \$130,560. Public Works considers this fee to be fair and reasonable for the work involved. This represents a 0.28 percent increase of the original agreement amount. When added to previously approved supplemental agreements, this increases the value of Agreement PW11875 to \$45,744,964, which represents a 1.60 percent total increase for all Supplemental Agreements.

##### Additional Construction Cost

On December 3, 2002, your Board awarded Contract PW12461 to MCH for \$497,883,000 to construct the LAC+USC Medical Center Replacement Project.

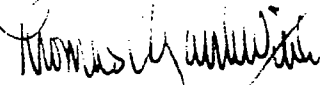
As a result of the proposed changes, the contractor must provide work beyond that included in the contract documents. Implementing the proposed changes now will mitigate higher construction costs at a later date due to the impact of work area availability and schedule delays. The full scope of work cannot be assessed accurately until the architect of record has completed the design work but is estimated not to exceed \$1,227,000. If the construction cost exceeds \$1,227,000, we will return to your Board for approval of the final cost associated with this work.

IMPACT ON CURRENT SERVICES (OR PROJECTS):

The existing hospital and all patient care services will remain operational throughout the entire construction period. The project specifications include instructions to the contractor to comply with specific construction constraints from the EIR/EA that will be used to control construction generated dust, noise, and traffic within acceptable thresholds.

Upon approval by your Board, the Executive Officer, Board of Supervisors, is requested to return three adopted copies of this letter to the Department of Health Services, Chief Administrative Office (Capital Projects), and Public Works.

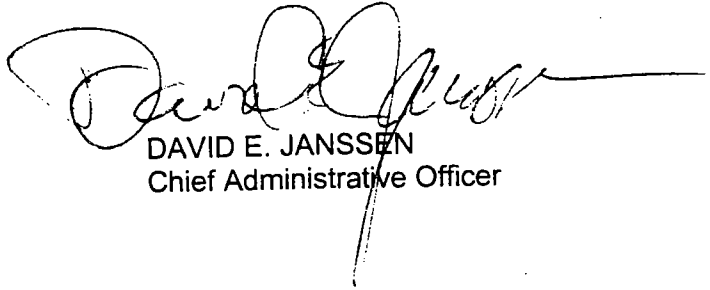
Respectfully submitted,



THOMAS L. GARTHWAITE, M.D.  
Director and Chief Medical Officer



for DONALD L. WOLFE  
Director of Public Works



DAVID E. JANSSEN  
Chief Administrative Officer

TLG:DEJ:DLW:ame  
Board letter lac usc wireless 09.21.05 1045 am

Enclosures (2)

c: County Counsel  
Auditor-Controller  
Office of Affirmative Action Compliance

## ENCLOSURE A

**LAC+USC MEDICAL CENTER REPLACEMENT FACILITY  
AUTHORIZATION OF WIRELESS SYSTEM INFRASTRUCTURE AND  
ADDITIONS TO THE MAIN COMPUTER ROOM  
SPEC. 6550; C.P. 70787**

**I. PROJECT SCHEDULE**

<b>Project Activity</b>	<b>Schedule Completion Date</b>	<b>Actual Completion Date</b>
Board Award Design Contract	07/98	07/98
Construction Documents	09/00	09/00
Jurisdictional Approvals	05/02	05/02
Award of Construction	12/02	12/02
Construction Start	01/03	01/03
Acceptance of Project	06/07	

**II. PROJECT BUDGET SUMMARY**

<b>Budget Category</b>	<b>Current Board Approved Budget</b>	<b>Impact of this Action</b>	<b>Revised Project Budget</b>
<b>Land Acquisition</b>	\$ 12,250,000	\$ 0	\$ 12,250,000
Make Ready (Bid Package A-1)	\$ 9,800,000	\$ 0	\$ 9,800,000
Construction			
Site Preparation	\$ 11,813,750	\$ 0	\$ 11,813,750
Remaining Construction Work		\$ 0	
(a) Base Bid	\$ 497,883,000	\$ 0	\$497,883,000
(b) Base Isolator Bearings	\$ 814,626	\$ 0	\$ 814,626
(c) Contingency (7.9 percent)	\$ 39,488,624	\$ 0	\$ 39,488,624
Remaining Work Subtotal	\$ 538,186,250	\$ 0	\$538,186,250
<b>Construction Total</b>	\$ 550,000,000	\$ 1,227,000	\$551,227,000
Equipment (Medical, Telecom / Data, and FEE)	\$ 96,964,000	\$ 0	\$ 96,964,000
Architectural Services	\$ 49,600,000	\$ 131,000	\$ 49,731,000
Consultant and Vendor Services	\$ 72,498,000	\$ 0	\$ 72,498,000
Permits and Fees	\$ 9,112,000	\$ 50,000	\$ 9,162,000
County Services	\$ 20,334,000	\$ 0	\$ 20,334,000
<b>TOTAL</b>	<b>\$ 820,558,000</b>	<b>\$ 1,408,000</b>	<b>\$821,966,000</b>

76R 352M 11/83

COUNTY OF LOS ANGELES  
REQUEST FOR APPROPRIATION ADJUSTMENTDEPT'S.  
No.DEPARTMENT OF Health ServicesSeptember 29, 2005

AUDITOR-CONTROLLER.  
THE FOLLOWING APPROPRIATION ADJUSTMENT IS DEEMED NECESSARY BY THIS DEPARTMENT. WILL YOU PLEASE REPORT AS TO  
ACCOUNTING AND AVAILABLE BALANCES AND FORWARD TO THE CHIEF ADMINISTRATIVE OFFICER FOR HIS RECOMMENDATION OR  
ACTION.

## ADJUSTMENT REQUESTED AND REASONS THEREFOR

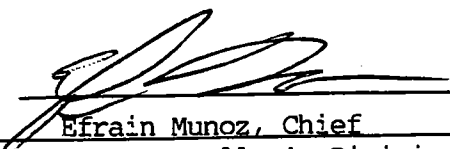
4-VOTE

Fiscal Year 2005-06

Please see attached for details.

Justification:

This budget adjustment is to transfer funding from the LAC+USC Medical Center operating budget to the LAC+USC Medical Center Replacement Facility Capital Project to fund change requests for the wireless system infrastructure and the main computer room.

EM:js  
09/29/05  
Efrain Munoz, Chief  
DHS-Controller's Division

CHIEF ADMINISTRATIVE OFFICER'S REPORT

REFERRED TO THE CHIEF  
ADMINISTRATIVE OFFICER FOR—

ACTION

APPROVED AS REQUESTED

AS REVISED

✓ RECOMMENDATION

SEPTEMBER 29, 2005

DAVID E. TANASEN  
CHIEF ADMINISTRATIVE OFFICERAUDITOR-CONTROLLER BY Del J. [Signature]APPROVED (AS REVISED):  
BOARD OF SUPERVISORS

19

No. 34

SEPT. 28, 2005

BY

DEPUTY COUNTY CLERK

DEPT OF HEALTH SERVICES  
BUDGET ADJUSTMENT  
FY 2005-06

Dept No. 110

(4-VOTE)  
FY 05-06

**Sources:**

LAC+USC Healthcare Network  
MN4-HG-60010-2000  
Services & Supplies \$1,408,000

LAC+USC Replacement Project  
J17-CP-70787-9919  
Operating Transfers In - CP \$1,408,000

Total \$2,816,000

**Uses:**

LAC+USC Healthcare Network  
MN4-HG-60010-6100  
Other Financing Uses \$1,408,000

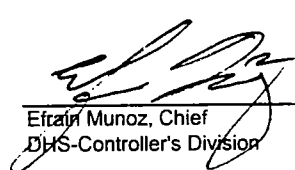
LAC+USC Replacement Project  
J17-CP-70787-6014  
Buildings & Improvements \$1,408,000

Total \$2,816,000

**Justification:**

This budget adjustment is to transfer funding from the LAC+USC Medical Center operating budget to the LAC+USC Medical Center Replacement Facility Capital Project to fund change requests for the wireless system infrastructure and the main computer room.

EM:js  
9/29/2005

  
Efraim Munoz, Chief  
DHS-Controller's Division

BA# 34 9-28-05

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*Shel Long*